

2016

August 26, 1971

Mr. Robert J. Richardson, P. E.
Engineering Planning Services, Inc.
P. O. Box 86, 1520 North Main Street
Mishawaka, Indiana

EPA Region 5 Records Ctr.



301524

Dear Mr. Richardson:

Re: Approval of Proposal, Sanitary Landfill Operation
Located in NE 1/4 of Section 22, T.37N.
R.2E., St. Joseph County

You are hereby notified that the State Health Commissioner of the State of Indiana has this 26th day of August, 1971, approved the proposal for the operation of a sanitary landfill at the above-referenced location.

This project will include the trench method of sanitary landfill operation. No refuse other than rubble, construction materials, crating and other non-hazardous, non-putrescible materials shall be deposited at this site. Refuse will be compacted and covered daily with at least six inches of soil. Any blowing refuse will be collected and buried daily. Final cover will be a minimum of two feet. Trenches will not be excavated below elevation 782 thus providing trenches ranging in depth from five feet to 24 feet.

This approval is given with the following conditions:

1. That all refuse be disposed of in a manner to prevent contamination of ground water and pollution of surface waters.
2. That no burning of wastes be conducted at the sanitary landfill site.
3. That no liquid, hazardous chemical, smoldering or hot ash wastes be deposited at this sanitary landfill site.
4. That, if nuisance or pollution conditions are created, immediate corrective action will be taken by the operator.
5. That all necessary local permits, including zoning, be obtained prior to any operation.

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6. That the operation of the sanitary landfill be conducted in accordance with the "Minimum Requirements for the Selection and Operation of a Sanitary Landfill," adopted by the Division of Sanitary Engineering, Indiana State Board of Health. (A copy is enclosed.)
7. That no scavenging or salvaging be permitted at this site.
8. That the final cover be provided from a layer of impervious soil with a minimum slope of one percent.
9. That this approval be renewed upon any change in ownership or operating contractor.
10. That a portable fence be used to control blowing paper and that such paper be picked up and buried daily.

This proposal was prepared and certified by Robert J. Richardson, P. E., and submitted on June 1, 1971.

This approval shall be void if operation is not begun before September 1, 1972.

Sincerely,

A. C. OFFUTT, M. D.
STATE HEALTH COMMISSIONER
INDIANA STATE BOARD OF HEALTH

Approval No. SW 84

Enclosure

cc: St. Joseph County Health Department
St. Joseph County Plan Commission
Mr. Robert Huitema

bcc: Air Pollution Control Division

ENGINEERING PLANNING SERVICES, INC.

CONSULTING ENGINEER

OFFICERS

D. L. WILTON, PRESIDENT
P. L. ROLLKE, V. PRESIDENT
R. J. RICHARDSON, SEC. TREAS.

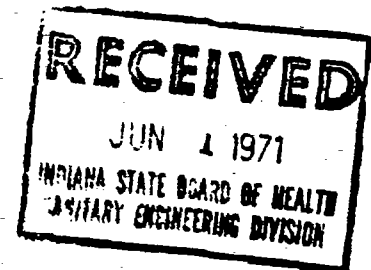
MUNICIPAL IMPROVEMENTS • HIGHWAYS
URBAN RENEWAL • SUBDIVISIONS • AIRPORTS
SURVEYS • REPORTS • TOPOGRAPHIC MAPPING
SEWERAGE • WATER • STORM DRAINAGE
REINFORCED CONCRETE STRUCTURES

APS

P. O. BOX 86 • 1520 NORTH MAIN STREET
MISHAWAKA, INDIANA • PHONE: BL 9-3695

CHIEF ENGINEER AND LAND SURVEYOR
ROBERT J. RICHARDSON, P. E. #9269, L. S. #10251

May 28, 1971



Division of Sanitary Engineering
Indiana State Board of Health
1330 West Michigan Street
Indianapolis, Indiana - 46206

Dear Sirs:

Transmitted herewith is a copy of a report prepared by
our firm which was submitted to the Saint Joseph County Health
Department for action.

This site has been granted special use for landfill purposes
by the Board of Zoning Appeals as of their May 5th. meeting pend-
ing compliance with the Local Ordinances.

Also enclosed is a copy of the application made to the Saint
Joseph County Health Department.

This material is for your file and review..

Very truly yours,

ENGINEERING PLANNING SERVICES, INC.

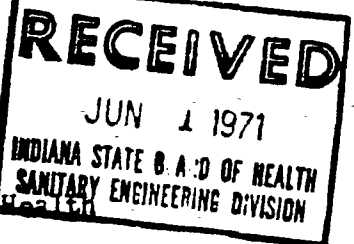

Robert J. Richardson, P.E.

RJR:ds

SOUTH BEND, INDIANA

PAW PAW, MICHIGAN

TO
ACCEPT REFUSE FOR DISPOSAL IN OR OPERATE A REFUSE
DISPOSAL SITE IN ST. JOSEPH COUNTY, INDIANA.



The undersigned hereby makes application to the St. Joseph County
Department for a permit to accept refuse for disposal or operate a refuse
disposal site in St. Joseph County, Indiana, on land which is situated outside
the corporate limits of any city or town in St. Joseph County from the _____
day of _____, 19____ to March 1, 19 72.

1. Name of person making application: ABRAHAM MARCUS
2. Representing (name of concern): General Realty Company
(address): P.O. Box 687
South Bend, Indiana 46624

3. Location of site: 58701 Linden Road
South Bend, Indiana

4. Description of disposal area: Part of the NE 1/4 of Section 22, T 37 N, R 2 E.
Beginning at a point 629.74 feet north and 140 feet west of the SE
corner of the NE 1/4 of Section 22, T 37 N, R 2 E; thence westerly
708.6 feet parallel to the south line of said NE 1/4; thence northerly
~~800.00 feet parallel to the east line of said NE 1/4; thence easterly~~
708.6 feet parallel to the south line of said NE 1/4; thence southerly
~~800 feet parallel to the east line of said NE 1/4 to the point of beginning~~
Containing 13.01 acres.

5. Description of method of disposal: X Landfill _____ Other
_____ Incineration

6. If (5) above is other, describe method: Will only accept rubbish as
defined in ordinance S-99 Section 108

7. Describe equipment to be used: 1- ^{Interfractional} Michigan Front End Loader Model 175A
1- TD15 Bulldozer 1- Hough Front End Loader Model H 65C
1- Adams 610 Grader 1- Loran TL15J Crane
2- Link Belt Cranes Models HC48 & HC58B
5- Fruehauf 24 cu.Yd. Dump Trucks

8. Have you received approval for special use of this land from the St. Joseph County Board of Zoning Appeals? YES X NO
9. If YES, give date of St. Joseph County Board of Zoning Appeals "Special Use" approval, Date: Note: Submitted for consideration meeting of 5 May 1971
10. Is the business operated by Municipality, a county or another branch of government. YES X NO
11. Is this application for a proposed new operation. X YES NO
12. If the answer to (11) above is NO, when was this operation started:
-
13. If this application is for a proposed new operation, have you submitted plans and maps, as provided in the St. Joseph County Refuse Disposal Ordinance, to the Indiana State Board of Health, and have you included a copy with this application.
- a. YES NO (Indiana State Board of Health)
- b. YES NO (St. Joseph County Health Department)
14. If the answer to (13) above is YES, have you received approval from the Indiana State Board of Health. YES X NO If yes, date:
15. I (~~do not~~) agree to abide by all the provisions set forth in St. Joseph County Refuse Disposal Ordinance Number S-99.
16. I (~~do not~~) agree to notify the St. Joseph County Health Department of any change in management or ownership which may occur, or of any significant change in operation. We understand that this permit is issued only to the person making application and is not transferable.
17. I (~~do not~~) understand that the permit to accept refuse for disposal or operate a refuse disposal site in St. Joseph County may after a hearing, be suspended or revoked at any time for cause, subject to the provisions of the Ordinance.
18. I (~~do not~~) understand and agree that the Health Officer, or his representatives, may enter upon the site during working hours, to check compliance with Ordinance S-99.

Sheet 3:

Our normal working hours are 7:30 A.M. to 4:30 P.M.,
Monday through Friday.

19. Owner, corporation, partnership or individual. Partnership

20. Signee represents that he is owner of, or authorized agent for:

Name of concern: General Realty Company

P.O. Box 687, South Bend, Indiana 4662

Signed:

Robert M. Munn

Agent

Date of Application: April 21, 1971

PRELIMINARY ENGINEERING SURVEY-FOR SANITARY LANDFILL SITES

Richard W. Eldredge*

I SITE IDENTIFICATION

General Realty Co.

II SITE LOCATION

III ACREAGE 30 ACRES

LENGTH

see sketch

(Provide Sketch of Irregular Sites)

IV OWNER OF RECORD

General Realty Co.

OWNER'S REPRESENTATIVE (IF ANY)

A AVAILABILITY

In use now - 4 months

B PRESENT USAGE

"Modified Sanitary Landfill"

C TERMS AND CONDITIONS

1 LEASE: PRICE PER ACRE

PER YEAR;

TOTAL COST

PER YEAR

2 SALE: PRICE PER ACRE

TOTAL COST

V LAND CHARACTERISTICS

A GENERAL DESCRIPTION

Flat

B DRAINAGE

NATURAL

alt

ACRES

STORM SEWERS

ACRES

Preliminary Engineering Survey for Sanitary Landfill Sites

FARM TILE _____ ACRES

OPEN DITCH across street stream ACRES

(Provide Sketch of Drainage Facilities if Other Than Natural)

C RAINFALL

Quantity Estimate

SPRING _____ INCHES

SUMMER _____ INCHES

FALL _____ INCHES

WINTER _____ INCHES

D OUTFALL (DESCRIBE CRITICAL CONDITIONS UP TO ONE MILE DOWNSTREAM OF OPEN DRAINS, ETC.)

E GROUND COVER

Estimated Acreage

1 HEAVILY WOODED _____

LIGHT BRUSH _____

GRASSES OR PASTURE all _____

CULTIVATED _____

2 ESTIMATED CLEARING COST _____ PER ACRE

(REDUCE CLEARING COST BY ANY AMOUNTS RECEIVED FROM SALE OF TIMBER)

3 SUGGESTED METHOD OF CLEARING _____

F AGRICULTURAL SOIL CLASSIFICATION

80 % SAND

_____ % SILT TEXTURE CLASSIFICATION _____

20 % CLAY

(See Page 209 - Soil Survey Manual USDA)

G ATTACH BORING LOGS OF REPRESENTATIVE TEST HOLES, BORED TO DETERMINE WATER TABLE AND SOILS PROFILE (Logs of Nearby Wells May Be Used In Lieu of Test Borings - If The Area Presents a Generally Consistant Soils Pattern)

F IF COVER MATERIAL IS NOT AVAILABLE AT THE SITE - WHERE WILL IT BE OBTAINED? See Proposal
on site

WHAT COSTS ARE INVOLVED?

paving 40¢/cu yd to a dirt
hauler for excavating. Paving 40¢/yd for
OWNER (COVER MATERIAL) dumping

VI OPERATIONAL SUPPORT

A FIRE PROTECTION

1 WHO IS RESPONSIBLE FOR FIRE PROTECTION?

Portage Township

2 WHAT ARE THE COSTS, IF ANY?

3 WHERE IS THE NEAREST WATER SOURCE FOR FIRE-FIGHTING?

4 FOR DRINKING WATER?

B ARE THERE ANY OTHER SOURCES OF WATER WHICH MIGHT BE ADVERSELY AFFECTED BY A LANDFILL?

ditch or stream across street,
heavily polluted

C UTILITIES

On Site

Nearby (State Where)

WATER

well

GAS

in

Preliminary Engineering Survey for Sanitary Landfill Sites

ELECTRICITY ✓

TELEPHONE ✓

SANITARY
SEWERS me

STORM
SEWERS me

VII PHYSICAL AND GOVERNMENTAL CONSIDERATIONS

A OPERATIONAL REQUIREMENTS

- 1 CITY _____
- 2 COUNTY Butler
- 3 STATE _____
- 4 WATER BOARD _____
- 5 HEALTH DEPARTMENT _____
- 6 PLANNING COMMISSION _____
- 7 OTHER _____

PROVIDE COMMENTARY ON EXTENT OF CONTROL
AND COPY OF SPECIFIC REQUIREMENTS

B ZONING

- 1 ZONING CLASSIFICATION Chertle use
- 2 ENFORCEMENT AGENCY _____
- 3 RESTRICTIONS - IF ANY _____
- 4 ACTIONS NECESSARY TO USE SITE me

C EXISTING OPERATIONS

- 1 DISPOSAL TECHNIQUES SERVING THE SAME AREA _____

2 SUMMARY OF REFUSE DISPOSAL HISTORY IN THE AREA
(Include Adjacent Areas if Pertinent)

Landfill just approved

D LAND USE OF ADJACENT PROPERTIES

		<u>South</u>	<u>West</u>	<u>North</u>	<u>East</u>
1	RESIDENTIAL	_____	_____	<u>X</u>	_____
2	COMMERCIAL	_____	_____	_____	_____
3	LIGHT INDUSTRIAL	<u>X</u>	<u>X</u>	_____	<u>X</u>
4	HEAVY INDUSTRIAL	_____	_____	_____	_____
5	RURAL	_____	_____	_____	_____
6	MIXED	_____	_____	_____	_____

IF LAND IS NOT ZONED MARK USE "O"

IF LAND USE AGREES WITH ZONING MARK "Z"

IF LAND USE AND ZONING DO NOT AGREE MARK "V"

VIII SITE ACCESS

A ROADS MAINTAINED BY:

- 1 CITY _____
- 2 TOWNSHIP X _____
- 3 COUNTY X _____
- 4 STATE _____
- 5 INTERSTATE _____
- 6 OTHER _____

EXPLAIN: _____

B TYPES OF ROAD SURFACE

- 1 CONCRETE _____

- 2 ASPHALT _____
- 3 SEAL COAT _____
- 4 SOIL CEMENT _____
- 5 GRAVEL _____
- 6 CRUSHED STONE _____
- 7 DIRT _____
- 8 OTHER _____

C BRIDGES

- 1 LOCATION _____
- 2 LOAD LIMIT _____
- 3 CONDITION _____

(Include Information on All Bridges in
Immediate Vicinity)

D RAILROAD CROSSINGS

- 1 GRADE CROSSING _____ VISIBILITY _____
- 2 ELEVATED _____ CONDITION _____
- 3 UNDERPASS _____ HEIGHT _____

E DISTANCE TO COMMUNITY CENTER

- 1 PROBABLE MAXIMUM HAUL DISTANCE
(ONE WAY)
- 2 PROBABLE MINIMUM HAUL DISTANCE
(ONE WAY)
- 3 PROBABLE AVERAGE HAUL DISTANCE
(ONE WAY)
- 4 AVERAGE TIME OF AVERAGE HAUL
(ONE WAY)
- 5 CHARACTERISTICS OF AREA ADJACENT TO MAJOR HAUL ROUTES _____

IX RECOMMENDED PROCEDURE

A PROPOSED LANDFILL METHOD

- 1 TRENCH ☒
- 2 CUT AND COVER
- 3 AREA
- 4 RAMP
- 5 OTHER OR COMBINATION

(Attach Detailed Recommendations)

B PROPOSED COMPLETED SITE USE

- 1 PARKS
- 2 PLAYGROUNDS
- 3 AGRICULTURE
- 4 PARKING
- 5 LIGHT INDUSTRIAL
- 6 OTHER

DESCRIBE

C PROPOSED MAXIMUM FINISHED ELEVATION:

D ESTIMATED CAPACITY OF SITE:

X POPULATION DATA

A POPULATION SERVED BY LANDFILL

1 NOW

2 NEXT TEN YEARS

Industries

B TOTAL AREA POPULATION

1 NOW _____

2 NEXT TEN YEARS _____

XI SUMMARY:

Current operation - Handling
paper & junk all over, will need
a condition or approval.

Salvaging is being carried on.

On the same street ~~is~~ ^{is} a ~~junkyard~~ ^{auto junkyard}, a
steel shop, a test plant. Nearby is a car manufacturer.
The river across the street is black with
pollution, and has refuse all along the bank -
was the former site of this operation. The way
this operation is being conducted, I believe
that it will be the least of the pollution worries
here.

I did observe cat-holes in an area
adjacent to the newest trench they have dug.
The trench is around 10-12' feet deep, has some
water in it from previous night's rain, but ground
water is not evident.

Report Submitted By:

Robert T. Cotton

Date _____